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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,800	07/09/2003	Akihiro Shin	Q76456	5013
23373 7590 12/26/2007 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER JACKSON, JENISE E	
			ART UNIT 2131	PAPER NUMBER
			MAIL DATE 12/26/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/614,800	SHIN, AKIHIRO	
	Examiner	Art Unit	
	Jenise E. Jackson	2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 September 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sawada et al(2002/0016858) in view of Monachello et al(6,748,439).
3. As per claims 1, 4, Sawada et al discloses a user authentication system including communication terminal[see fig. 5, sheet 4, #403, 0008]; physical-port changeover means having packet signal input means for inputting a packet signal[0012, 0076], dispatched to a predetermined communication network from the communication terminal and requiring an authentication from the predetermined communication network[0169-0171], on an upstream side thereof, authentication existence determination means for determining whether or not the input packet signal, has received the authentication of said predetermined communication network[0171-0172], an unauthenticated-signal port for, [0087, 0123], outputting the input packet signal to a default network in response to a determination by the authentication existence determination means that the input packet signal does not have a required authentication, and an authenticated-signal port for, [0104, 0250], outputting the input packet signal to an authentication network in response to a determination by the authentication existence determination means that the input packet signal has the required authentication; temporary-use address offer means for, [0087, 0123, 0145-0150], giving a temporary-use IP address for login to

the communication terminal in response to the outputting of the input packet signal to the default network by the unauthenticated signal port[0162]; temporary-use IP address/communication terminal correspondence storage means for storing a correspondence between [0157, 0162], and the communication terminal to which the temporary-use IP address was given; login picture display means for, [0212], [0129], and [0087, 0123], inputting the packet signal dispatched by the communication terminal using the temporary-use IP address to login to the predetermined communication network, and for displaying a login picture[0212]; authentication-propriety determination means for the communication terminal, [0212]. Sawada is silent on network address bestowal means for, giving to the communication terminal a network address for transferring the signal packet to a desired communication network in response to the authentication propriety determination means determining that the authentication has been made, and changing the correspondence between the communication terminal stored in said temporary-use IP address/communication terminal correspondence storage means to the network address from the temporary-use IP address. However, Monachello et al. discloses network address bestowal means for, giving to the communication terminal a network address for transferring the signal packet to a desired communication network in response to the authentication propriety determination means determining that the authentication has been made, and changing the correspondence between the communication terminal stored in said temporary-use IP address/communication terminal correspondence storage means to the network address from the temporary-use IP address(see col. 4, lines 21-35, col. 5, lines 21-29, 59-61, col. 8, lines 6-15). It would have been obvious to one of ordinary skill in the art at the time of the invention to include a network address bestowal means for, giving to the communication terminal a network address

for transferring the signal packet to a desired communication network of Monachello with Sawada, the motivation is that the cpe forces the workstation to change its IP addresses from temporary IP address to a globally significant IP address assigned by the selected NSP(see col. 5, lines 58-61).

4. As per claim 2, Sawada et al discloses said further including network distribution means, receiving a packet signal through the authenticated-signal port and distributing the packet signal to the corresponding communication network, wherein the packet signal was dispatched from the communication terminal that was given the network address by the network address bestowal means [0145].

5. As per claims 3, 6, Sawada discloses wherein the said authentication existence determination means includes a user registration section for storing information corresponding to registered users, who received the authentication, and means for determining whether or not the authentication for each user was made, based on whether or not the user was registered in this user registration section[0217, 0254].

6. As per claim 5, Sawada discloses IP subnet distribution means for, receiving a packet signal through the authenticated-signal port dispatched from the communication terminal that was given the normal IP address and distributing the packet signal to the corresponding communication network [0131-0135].

7. As per claim 7, Sawada disclose said user authentication system characterized in that said IP sub-network distribution means employs either the IP address or an MAC address of said communication terminal to make distribution of the packet signal sent from the communication terminal[0219].

8. As per claim 8, Sawada discloses said user authentication system characterized in that said IP subnet distribution means distributes the packet signal to a communication network having a destination with which both of said IP address and an MAC address accorded[0228-0231].

9. Same Motivation as applied above(see claim 1). As per claim 9, Sawada discloses a user authentication system including a communication terminal; address bestowal means for, at the time that access was made from the communication terminal, giving to the communication terminal a temporary address that is accessible by an internet; and authentication-time Web access means for[0228-0229, 0231-0233], at the time that said communication terminal made use of the temporary address given by the address bestowal means to request authentication, causing said communication terminal to make an input operation on a Web display picture, which is displayed at the time of internet access, taken as a picture for the authentication[0212].

Monachello et al . discloses a communication terminal; address bestowal means for authenticating the user terminal in response to the input operation; and normal IP address bestowal means for giving to the communication terminal a normal IP address in response to the authentication means determining that the communication terminal is authenticated(see col. 4, lines 21-35, col. 5, lines 21-29, 59-61, col. 8, lines 6-15).

10. Same Motivation as claim 1 above. As per claim 10, Sawada discloses an internet access request step of, dispatching a packet signal from a predetermined communication terminal to a network service provider connected to a local area network to make a request for access to an internet[0076]; temporary-use IP address return step of, returning a temporary-use IP address to a communication terminal that dispatched the packet signal [0157, 0162]; an authentication request

step of using the temporary-use IP address to dispatch the packet signal of an authentication request for a specific internet service provider from said communication terminal[0087, 0123, 0145-0150]; an authentication-propriety determination step of, based on information described in the packet signal sent in this authentication request step, determining on a network service provider side whether or not authentication of said specific internet service provider is obtained[0104]. Monachello et al. discloses a normal-IP-address return step of, at the time that it was determined in this authentication-propriety determination step that the authentication was obtained, returning to its communication terminal the IP address assigned for said specific internet service provider; a packet-signal-for-internet-access dispatch step of using the normal IP address to dispatch the packet signal for internet access from said communication terminal; and a packet signal distribution step of receiving the packet signal dispatched in the packet-signal-for-internet-access dispatch step and checking said normal IP address thereof, and distributing the packet signal to said specific internet service provider(see col. 4, lines 21-35, col. 5, lines 21-29, 59-61, col. 8, lines 6-15).

11. Same Motivation as claim 1. As per claim 11, Sawada does not disclose wherein the temporary-use IP address is different from the network address. Monachello et al. discloses wherein the temporary-use IP address is different from the network address(see col. 4, lines 21-35, col. 5, lines 21-29, 59-61, col. 8, lines 6-15).

Response to Amendment

12. The Examiner has withdrawn the 101 rejection on claims 1-10.

13. The Applicant states that Sawada does not disclose network address bestowal means giving to the communication terminal a normal network address in response to the

authentication-propriety determination means authenticating the communication terminal. The Applicants amended feature of network address bestowal means giving to the communication terminal a normal network address in response to the authentication-propriety determination means authenticating the communication terminal is not disclosed in Sawada. Sawada discloses a DHCP server that sends an address leasing packet back to the user terminal. Thus, new art has been applied for the amended feature of Monachello et al(see rationale above).

Final Action Necessitated by Amendment

14. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Conclusion

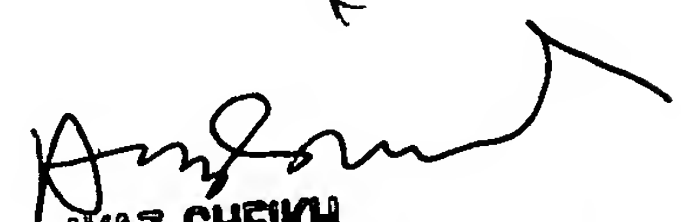
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jenise E. Jackson whose telephone number is (571) 272-3791.

The examiner can normally be reached on M-Th (6:00 a.m. - 3:30 p.m.) alternate Friday's.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on (571) 272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


December 19, 2007


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